

1700

0350

0420

1750

Docket No. 3912E (DIV)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Applicant: Hoke, et al.
Serial No.: 09/766,723
Date Filed: January 22, 2001
Title: METHOD AND APPARATUS FOR TREATING THE ATMOSPHERE
Art Unit:
Examiner:

April 20, 2001

Commissioner for Patents
United States Patent and Trademark Office
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Serial No.: 08/589,032
Filing Date: January 19, 1996

Serial No.: 08,549,996
Filing Date: October 27, 1995

RECEIVED
TC 1700
OCT 1 2001

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence (along with any paper referenced as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, United States Patent and Trademark Office, Washington, DC 20231.

Date: April 20, 2001

Phyllis Nova

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- (a) _____ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
- (b) _____ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".
- (c) _____ Abstracts by recognized library services.

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

- (a) X Within 3 months of the filing date or date of entry into the National Stage.
- (b) _____ Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 05-1070 for consideration of this Statement.
- (c) _____ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance (37 C.F.R. 1.97(c)).
 - (1) _____ The required certification is given below, or
 - (2) _____ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or
 - (3) _____ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 05-1070.
- (d) _____ After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

09/766,723 (3912E (DIV)
IDS
April 20, 2001
Page 3

(1) _____ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(i)(1), or

(2) _____ Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. 05-1070.

4. Certification (if applicable)

(a) _____ The undersigned hereby certifies that each item of information contained in a communication from a foreign patent office was cited by the foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.

(b) _____ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 05-1070.

Respectfully Submitted,

By Richard A. Negin
Richard A. Negin
Reg. No. 28,649

ENGELHARD CORPORATION
101 Wood Avenue-P.O. Box 770
Iselin, New Jersey 08830-0770
(732) 205-6241



| | | |
|--|-------------------------------|-----------------------|
| FORM PTO-1449 APP. 2, 3, 2001 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO. 3912E (DIV) | SERIAL NO. 09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

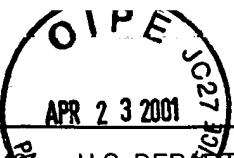
| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
|------------------|-----------------|----------|---------------------------|---------|---------------------------------------|
| | 3,738,088* | 1/12/73 | Colosimo, Louis E. | 55/104 | |
| | 4,134,860* | 1/16/79 | Hindin, et al. | 252/466 | |
| | 4,343,776* | 8/10/82 | Carr, et al. | 423/210 | |
| | 4,405,507* | 9/20/83 | Carr, et al. | 252/466 | |
| | 4,714,694* | 12/22/87 | Wan, et al. | 502/304 | |
| | 4,738,947* | 4/19/88 | Wan, et al. | 502/304 | |
| | 5,010,051* | 4/23/91 | Rudy, Wayne M. | 502/304 | |
| | 5,057,483* | 10/15/91 | Wan, Chung-Zong | 502/304 | |
| | 5,139,992* | 8/18/92 | Tauster, et al. | 502/304 | |
| | 5,145,822* | 9/8/92 | Falke, et al. | 502/150 | |
| | 5,147,429* | 9/15/92 | Bartholomew, et al. | 55/356 | |
| | 5,283,041* | 2/1/94 | Nguyen, et al. | 423/240 | |
| | 5,308,591* | 5/3/94 | Whittenberger, William A. | 422/174 | |
| | 5,317,869* | 6/7/94 | Takeuchi, Yukihisa | 60/300 | RECEIVED JAN 22 2001 C-1 101 |
| | 5,340,562* | 8/23/94 | O'Young, et al. | 423/599 | |
| | 5,422,331* | 6/6/95 | Galligan, et al. | 502/333 | |

*submitted with previously filed related IDS

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation | |
|------------------|------------------|------------------|--------------------------|-------|-------------|----|
| | | | | | Yes | No |
| | DE 40 07 965 C2* | 10/03/94 | Germany | | | |
| | DE 43 18 738 C1* | 14/07/94 | Germany | | | |
| | WO 94/27709* | 08/12/94 | PCT | | | |
| | WO 96/22150 | 25/07/96 | PCT | | | |
| | WO 97/11769 | 03/04/97 | PCT | | | |

*submitted with previously filed related IDS



| | | |
|---|-------------------------------|-----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO. 3912E (DIV) | SERIAL NO. 09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

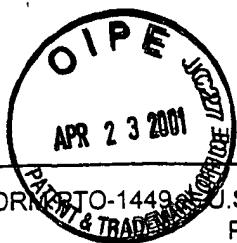
| | |
|--|---|
| | O'Young, Hydrothermal Synthesis of Manganese Oxides with Tunnel Structures, Modern Analytical Techniques for Analysis of Petroleum, presented at the Symposium on Advances in Zeolites and Pillared Clay Structures before the Division of Petroleum Chemistry, Inc. American Chemical Society New York City Meeting, August 25-30, 1991 beginning at page 348* |
| | McKenzie, the Synthesis of Birnessite, Cryptomelane, and Some Other Oxides and Hydroxides of Manganese, Mineralogical Magazine, December 1971, Vol. 38, pp. 493-502* |

*submitted with previously filed related IDS

| Examiner | Date Considered |
|----------|-----------------|
| | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

INFORMATION DISCLOSURE STATEMENT PTO-1449 (Modified)



| | | |
|---|-------------------------------|-----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO. 3912E(DIV) | SERIAL NO. 09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP |

REFERENCE DESIGNATION
U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
|------------------|--------------------------|----------|------------------------|---------|----------------------------|
| | 3,738,088* | 1/12/73 | Colosimo, Louis E. | 55/104 | |
| | 3,859,788* | 1/14/75 | King, et al. | 60/280 | |
| | 4,195,606* | 4/1/80 | Wallis, Jr., et al. | 123/119 | |
| | 4,670,474* | 6/2/87 | Hinnenkamp, et al. | 518/713 | |
| | 5,113,836* | 5/19/92 | Sweeten, Theodore P. | 123/573 | |
| | 5,130,109* | 7/14/92 | Wan, Chung-Zong | 423/213 | |
| | 5,145,822* | 9/8/92 | Falke, et al. | 502/150 | |
| | 5,147,429* | 9/15/92 | Bartholomew, et al. | 55/356 | |
| | 5,250,487* | 10/5/93 | Wirtz, et al. | 502/243 | |
| | 5,252,299* | 10/12/93 | Retaillick, William B. | 422/174 | |
| | 5,283,041* | 1/1/94 | Nguyen, et al. | 423/240 | |
| | 5,433,772 * | 7/18/95 | Sikora, David | 96/87 | |
| | Atty. Docket # 7291.02 * | | Brown, Leo K. | | |

*submitted with previously filed related IDS

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation | |
|------------------|-------------------|------------------|--------------------------|------------|-------------|----|
| | | | | | Yes | No |
| | DE 2155738* | 1/17/73 | Germany | B60H 3/06 | | X |
| | DE 25 49 621 A1 * | 5/12/77 | Germany | H01M 4/90 | | X |
| | DE 30 19 828 * | 11/27/80 | Germany | C09D 7/12 | X | |
| | DE 33 34 992 A1 * | 4/25/85 | Germany | B60H 3/00 | | X |
| | DE 37 13 035 A1 * | 10/27/88 | Germany | B65D 90/28 | | X |
| | DE 40 07 964 A1* | 9/19/91 | Germany | B01J 23/72 | | X |
| | DE 40 07 965 A1* | 9/19/91 | Germany | B01J 23/84 | | X |
| | DE 40 07 965 C2 * | 3/10/94 | Germany | B01J 23/72 | X | |
| | DE 43 18 738 C1* | 7/14/94 | Germany | B01D 53/36 | | X |
| | DE 94 15 457.0* | 1/5/95 | Germany | B01D 53/86 | | X |
| | WO 95/22395 * | 8/24/95 | PCT | B01D 57/75 | X | |

*submitted with previously filed related IDS



| | | |
|---|-------------------------------|----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO.3912E(DIV) | SERIAL NO.09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

| REFERENCE DESIGNATION | | U.S. PATENT DOCUMENTS | | | |
|-----------------------|-----------------|-----------------------|-----------------|---------|----------------------------|
| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
| | 4,399,185 * | 08/16/83 | Petrow | 428-253 | |
| | 5,187,137 * | 02/16/93 | Terui et al. | 502-241 | |
| | 5,620,672 * | 04/15/97 | Galligan et al. | 423-219 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

*submitted with previously filed related IDS

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation | |
|------------------|-----------------|------------------|--------------------------|-------|-------------|----|
| | | | | | Yes | No |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

*submitted with previously filed related IDS

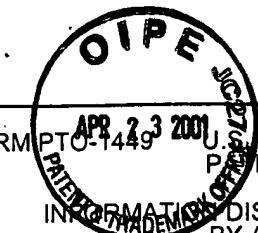
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|--|--|
| | |
| | |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

INFORMATION DISCLOSURE STATEMENT PTO-1449 (Modified)



| | | |
|--|-------------------------------|-----------------------|
| FORM PTO-1449 APR 23 2001 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO. 3912E (DIV) | SERIAL NO. 09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
|------------------|-----------------|----------|----------------|-------------|----------------------------|
| | WO 96/09109 * | 3/28/96 | PCT | B01D 53/88 | X |
| | WO 96/22146 * | 7/25/96 | PCT | B01D 53/68 | X |
| | WO 96/22148 * | 7/25/96 | PCT | B01D 53/88 | X |
| | EP 097 287 * | 1/4/84 | EPO | F28D 1/04 | X |
| | EP 186 477 * | 7/2/89 | EPO | F24F 3/12 | X |
| | EP 351 036 * | 1/17/90 | EPO | B01J 35/02 | X |
| | EP 373 648 * | 6/20/90 | EPO | B01D 53/36 | X |
| | EP 470 330 A1 * | 2/12/92 | EPO | F02M 35/024 | X |
| | EP 537 815 * | 4/21/93 | EPO | C10G 47/14 | X |
| | JP 4110045 * | 4/10/92 | Japan | B01D 53/36 | X |
| | JP 4297341* | 10/21/92 | Japan | B60P 3/00 | X |
| | JP 5023590 * | 2/2/93 | Japan | B01D 53/36 | X |
| | JP 5038443 * | 2/19/93 | Japan | B01J 23/89 | X |
| | JP 52148468 * | 12/9/77 | Japan | B01D 53/34 | X |
| | JP 55106813* | 8/17/80 | Japan | B60H 1/24 | X |
| | JP 56059671* | 5/23/81 | Japan | B01J 20/06 | X |
| | JP 57122924* | 7/31/82 | Japan | B01D 53/36 | X |
| | JP 61035853* | 2/20/86 | Japan | B01J 23/89 | X |
| | SU 1 703 173* | 1/7/92 | Soviet Union | B01J 37/30 | X |
| | GB 2 110 174 A* | 6/15/83 | United Kingdom | B60K 13/02 | |
| | GB 2 218 354 A* | 11/15/89 | United Kingdom | B01D 50/00 | |

*submitted with previously filed related IDS

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

| |
|--|
| Mark, et al., Kirk-Othmer Encyclopedia of Chemical Technology, Ed. 3, Vol. 5, Castor Oil to Chlorosulfuric Acid, 1989, Wiley & Sons, NY, pgs. 22-23, 40, 49-51 * |
| Gerhartz, et al., Ullmann's Encyclopedia of Industrial Chemistry, Ed. 5, Vol. A5, Cancer Chemotherapy to Ceramic Colorants, 1986, VCH Verlag, De. Weinheim, pgs. 336, 347-353* |

*submitted with previously filed related IDS

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



| | | |
|---|-------------------------------|-----------------------|
| FORM 1001 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO. 3912E(DIV) | SERIAL NO. 09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

REFERENCE DESIGNATION
U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
|------------------|-----------------|---------|--------------------|---------|----------------------------|
| | 3,738,088* | 6/12/73 | Colosimo, Louis E. | 55/104 | |
| | 5,145,822* | 9/8/92 | Falke, et al. | 502/150 | |
| | | | | | |
| | | | | | |
| | | | | | |

*submitted with previously filed related IDS

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation | |
|------------------|------------------|------------------|--------------------------|------------|-------------|----|
| | | | | | Yes | No |
| | DE 40 07 964 A1* | 9/19/91 | Germany | B01J 23/72 | | X |
| | DE 40 07 965 A1* | 9/19/91 | Germany | B01J 23/84 | | X |
| | DE 94 15 457.0* | 1/5/95 | Germany | B01D 53/86 | | X |
| | WO 96/09109 * | 3/28/96 | PCT | B01D 53/88 | | X |
| | WO 93/05821* | 4/1/93 | PCT | A61L 9/20 | X | |
| | WO 90/11433* | 10/4/90 | PCT | F01N3/10 | X | |
| | JP55106813* | 8/17/80 | Japan | B60H 1/24 | X | |
| | DE 43 18 738 C1* | 7/14/94 | Germany | B01D 53/36 | | X |
| | | | | | | |

related

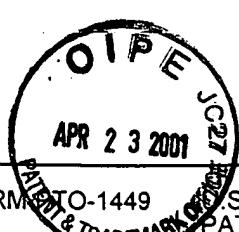
*copy submitted with previously filed Information Disclosure Statement

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|--|--|
| | |
| | |
| | |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



| | | |
|---|-------------------------------|---------------------|
|  FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO.3912E(DIV) | SERIAL NO09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

*submitted with previously filed related IDS

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation | |
|------------------|-------------------|------------------|--------------------------|------------|-------------|----|
| | | | | | Yes | No |
| | DE 40 17 892 A1 * | 5/12/91 | Germany | B01J 23/89 | | X |
| | GB 2 056 424 A * | 3/18/81 | United Kingdom | B01D 53/36 | | |
| | JP405007776 A * | 1/19/93 | Japan | B01J 23/64 | | X |
| | | | | | | |
| | | | | | | |

*submitted with previously filed related IDS

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|--|--|
| | |
| | |
| | |
| | |

| Examiner | Date Considered |
|----------|-----------------|
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



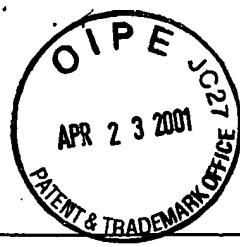
| | | | |
|--|--|-------------------------------|----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO.3912E(DIV) | SERIAL NO.09/766,732 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT: Hoke, et al. | |
| | | FILING DATE: January 22, 2001 | GROUP: |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
|------------------|-----------------|----------|-------------------|------------|----------------------------|
| | 3,837,149 * | 09/24/74 | West et al. | 55/269 | |
| | 3,864,118 * | 02/04/75 | Schumacher et al. | 75/3 | |
| | 3,883,637 * | 05/13/75 | Benedict | 423/230 | |
| | 3,915,837 * | 10/28/75 | Feige, Jr. | 204/286 | |
| | 3,959,021 * | 05/25/76 | Nishino et al. | 136/138 | |
| | 3,993,597 * | 11/23/76 | Stiles | 252/454 | |
| | 4,006,217 * | 02/01/77 | Faber et al. | 423/605 | |
| | 4,007,875 * | 02/15/77 | Stolz et al. | 237/12.3 A | |
| | 4,089,928 * | 05/16/78 | Foroglou | 423/49 | |
| | 4,101,296 * | 07/18/78 | Lowther | 55/33 | |
| | 4,141,963 * | 02/27/79 | Miller | 423/592 | |
| | 4,171,211 * | 10/16/79 | Carter | 55/493 | |
| | 4,173,549 * | 11/06/79 | Kent et al. | 252/463 | |
| | 4,184,983 * | 01/22/80 | Putz et al. | 252/466 PT | |
| | 4,197,366 * | 04/08/80 | Tamura et al. | 429/197 | |
| | 4,200,609 * | 04/29/80 | Byrd | 422/122 | |
| | 4,234,326 * | 11/18/80 | Bailey et al. | 55/278 | |
| | 4,246,253 * | 01/20/81 | Hunter | 423/605 | |
| | 4,261,863 * | 04/14/81 | Kent et al. | 252/463 | |

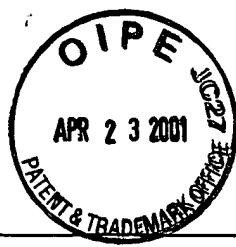
*submitted with previously filed related IDS



| | | | |
|--|-------------------------------|----------|----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO 3912E (DIV) | | SERIAL NO.09/766,723 |
| | APPLICANT: Hoke, et al. | | |
| | FILING DATE: January 22, 2001 | GROUP: . | |

| REFERENCE DESIGNATION | | U.S. PATENT DOCUMENTS | | |
|-----------------------|-----------------|-----------------------|-----------------------|-----------|
| Examiner Initial | Document Number | Date | Name | Class |
| | 4,277,360* | 07/07/81 | Mellors et al. | 252/182.1 |
| | 4,284,618* | 08/18/81 | Van der Heyden et al. | 423/605 |
| | 4,285,913* | 08/25/81 | Soni et al. | 423/50 |
| | 4,302,490* | 11/24/81 | Byrd | 427/301 |
| | 4,310,494* | 01/12/82 | Welsh | 423/49 |
| | 4,352,321* | 10/05/82 | Fukui et al. | 98/2.11 |
| | 4,363,787* | 12/14/82 | Yoon | 422/201 |
| | 4,379,817* | 04/12/83 | Kozawa | 429/224 |
| | 4,402,931* | 09/06/83 | Tanabe et al. | 423/605 |
| | 4,405,699* | 09/20/83 | Kruger | 429/224 |
| | 4,425,145* | 01/10/84 | Reese | 55/385 B |
| | 4,476,104* | 10/09/84 | Mellors | 423/605 |
| | 4,477,541* | 10/16/84 | Fraioli | 429/33 |
| | 4,483,828* | 11/20/84 | Laughlin et al. | 423/49 |
| | 4,485,073* | 11/27/84 | Robertson et al. | 423/49 |
| | 4,489,043* | 12/18/84 | Bowerman et al. | 423/49 |
| | 4,551,254* | 11/05/85 | Imada et al. | 210/688 |
| | 4,579,723* | 04/01/86 | Weltmer et al. | 423/219 |
| | 4,581,219* | 04/08/86 | Imada et al. | 423/605 |
| | 4,585,718* | 04/29/86 | Uedaira et al. | 429/224 |
| | 4,590,059 * | 05/20/86 | Mellors | 423/605 |

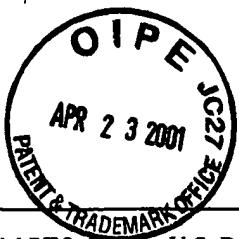
*submitted with previously filed related IDS



| | | | |
|--|--|-------------------------------|----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 3912E(DIV) | SERIAL NO.09/766,723 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT: Hoke, et al. | |
| | | FILING DATE: January 22, 2001 | GROUP: |

| REFERENCE DESIGNATION | | U.S. PATENT DOCUMENTS | | |
|-----------------------|-----------------|-----------------------|--------------------|----------|
| Examiner Initial | Document Number | Date | Name | Class |
| | 4,595,643 * | 06/17/86 | Koshiba et al. | 429/27 |
| | 4,604,336 * | 08/05/86 | Nardi | 429/224 |
| | 4,619,821 * | 10/28/86 | Ely | 423/579 |
| | 4,657,887 * | 04/14/87 | Hardman et al. | 502/303 |
| | 4,662,065 * | 05/05/87 | Marincic et al. | 29/623.1 |
| | 4,684,381 * | 08/04/87 | Wasylonyuk | 55/316 |
| | 4,733,605 * | 03/29/88 | Hölter et al. | 98/2.11 |
| | 4,734,113 * | 03/29/88 | Takagi et al. | 55/504 |
| | 4,742,038 * | 05/03/88 | Matsumoto | 502/303 |
| | 4,818,354 * | 04/04/89 | Preisler et al. | 204/96 |
| | 4,824,363 * | 04/25/89 | Abthoff et al. | 432/222 |
| | 4,838,910 * | 06/13/89 | Stollenwerk et al. | 55/385.2 |
| | 4,871,709 * | 10/03/89 | Tatsushima et al. | 502/324 |
| | 4,921,689 * | 05/01/90 | Walker et al. | 423/605 |
| | 4,961,762 * | 10/09/90 | Howeth | 55/302 |
| | 4,975,346 * | 12/04/90 | Lecerf et al. | 429/197 |
| | 5,004,487 * | 04/02/91 | Kowalczyk | 55/269 |
| | 5,082,570 * | 01/21/92 | Higgins et al. | 210/683 |
| | 5,085,266 * | 02/04/92 | Arold et al. | 165/1 |
| | 5,092,396 * | 03/03/92 | Murano et al. | 165/119 |
| | 5,142,864 * | 09/01/92 | Dunne | 60/274 |

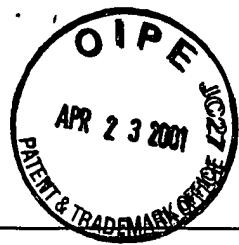
*submitted with previously filed related IDS



| | | | |
|--|--|--------------------------------------|----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO.3912E(DIV) | SERIAL NO.00/766,723 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT: Hoke, et al. | |
| | | FILING DATE: January 22, 2001 GROUP: | |

| REFERENCE DESIGNATION | | U.S. PATENT DOCUMENTS | | | |
|-----------------------|-----------------|-----------------------|--------------------------|---------|----------------------------|
| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
| | 5,145,657 * | 09/08/92 | Kobayashi et al. | 423/219 | |
| | 5,162,274 * | 11/10/92 | Deitz | 502/51 | |
| | 5,176,833 * | 01/05/93 | Vaughn et al. | 210/638 | |
| | 5,180,502 * | 01/19/93 | Nishiki et al. | 210/748 | |
| | 5,194,233 * | 03/16/93 | Kitahara et al. | 423/210 | |
| | 5,212,140 * | 05/18/93 | Yoshimoto et al. | 502/300 | |
| | 5,214,014 * | 05/25/93 | Yoshimoto et al. | 502/84 | |
| | 5,221,649 * | 06/22/93 | Yoshimoto et al. | 502/84 | |
| | 5,221,652 * | 06/22/93 | Tierney et al. | 502/170 | |
| | 5,227,144 * | 07/13/93 | Perez de la Garza | 423/210 | |
| | 5,232,882 * | 08/03/93 | Yoshimoto et al. | 502/5 | |
| | 5,232,886 * | 08/03/93 | Yoshimoto et al. | 502/84 | |
| | 5,262,129 * | 11/16/93 | Terada et al. | 422/122 | |
| | 5,277,890 * | 01/11/94 | Wang et al. | 423/605 | |
| | 5,283,139 * | 02/01/94 | Newman et al. | 429/224 | |
| | 5,294,499 * | 03/15/94 | Furukawa et al. | 429/164 | |
| | 5,296,435 * | 03/22/94 | Kitaguchi et al. | 502/174 | |
| | 5,348,726 * | 09/20/94 | Wang et al. | 423/605 | |
| | 5,356,457 * | 10/18/94 | Pincheira Alvarez et al. | 75/710 | |
| | 5,382,417 * | 01/17/95 | Haase | 423/219 | |

*submitted with previously filed related IDS



| | | |
|--|-------------------------------|-----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO. 3912E (DIV) | SERIAL NO. 09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

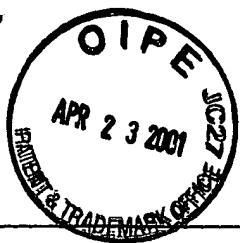
| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
|------------------|-----------------|----------|------------------|---------|----------------------------|
| | 5,391,365 * | 02/21/95 | Wang et al. | 423/605 | |
| | 5,395,534 * | 03/07/95 | Smith | 210/688 | |
| | 5,401,477 * | 03/28/95 | CawlfieId et al. | 423/50 | |
| | 5,405,594 * | 04/11/95 | Andersen et al. | 423/605 | |
| | 5,411,643 * | 05/02/95 | CawlfieId et al. | 204/115 | |
| | 5,419,882 * | 05/30/95 | Jibiki | 423/111 | |
| | 5,447,693 * | 09/05/95 | Ohta et al. | 422/122 | |

*submitted with previously filed related IDS

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Trans | Translation No |
|------------------|-----------------|------------------|--------------------------|------------|-------|----------------|
| | | | | | Yes | |
| | 25 49 621 B2 * | 12.5.77 | E. Germany | | | X |
| | 44 20 224 A1 * | 26.1.95 | E. Germany | B01D 53/86 | X | |
| | 44 23 329 A1 * | 26.1.95 | E. Germany | B01D 53/86 | X | |
| | 0 561 484 A1 * | 22.9.93 | Europe | B01D 53/36 | X | |
| | 822 053 * | 22.11.51 | Germany | 63c/73 | X | |
| | 1,067,691 * | 22.10.59 | Germany | 61b 1 / 02 | X | |
| | 1,095,128 * | 15.12.60 | Germany | 61b 1 / 02 | X | |
| | 1,101,160 * | 2.3.61 | Germany | 61b 1 / 02 | X | |
| | 1,133,154 * | 12.7.62 | Germany | 42h 23/24 | X | |
| | 3-229645 * | 3.91.10 | Japan | | | X |

*submitted with previously filed related IDS



| | | |
|---|-------------------------------|----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO.3912E(DIV) | SERIAL NO.09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
|------------------|-----------------|------|------|-------|----------------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation Yes | Translation No |
|------------------|-----------------|------------------|--------------------------|-------|-----------------|----------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

| |
|--|
| Derwent Abstracts (see Attached) * |
| Manganese Compounds, Vol. 15, pages 1003-1050. * |

*submitted with previously filed related IDS

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

INFORMATION DISCLOSURE STATEMENT PTO-1449 (Modified)



| | | | |
|--|--|-------------------------------|-----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 3912E (DIV) | SERIAL NO. 09/766,732 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT: Hoke, et al. | |
| | | FILING DATE: January 22, 2001 | GROUP: |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
|------------------|-----------------|----------|-----------------|-----------|----------------------------|
| | 3,837,149 * | 09/24/74 | West et al. | 55/269 | |
| | 3,859,788 * | 01/14/75 | King et al. | 60/280 | |
| | 4,206,083 * | 06/03/80 | Chang | 252/455 R | |
| | 4,348,360 * | 09/07/82 | Chang et al. | 422/122 | |
| | 4,399,185 * | 08/16/83 | Petrow | 428/253 | |
| | 4,665,973 * | 05/19/87 | Limberg et al. | 165/133 | |
| | 5,004,487 * | 04/02/91 | Kowalczyk | 55/269 | |
| | 5,145,825 * | 09/08/92 | Deeba et al. | 502/242 | |
| | 5,422,331 * | 06/06/95 | Galligan et al. | 502/333 | |

*submitted with previously filed related IDS

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation | |
|------------------|-------------------|------------------|----------------------------|-------------|-------------|----|
| | | | | | Yes | No |
| | DE 215 5738 * | 17.01.73 | Germany | B60H 3/06 | | X |
| | DE 37 13 035 A1 * | 27.10.88 | Germany | B65D 90/28 | | X |
| | DE 40 07 965 A1 * | 19.09.91 | Germany | B01J 23/84 | X | |
| | DE 40 17 892 A1 * | 05.12.91 | Germany | B01J 23/89 | | X |
| | DE 42 09 196 C1 * | 29.07.93 | Germany | B01D 53/36 | | X |
| | DE 42 09 198 C1 * | 01.07.93 | Germany | B01D 53/36 | | X |
| | EP 0 186 477 B1 * | 02.07.86 | Europe | F24F 3/12 | X | |
| | EP 0 431 648 A1 * | 12.06.91 | Europe | A61L 9/015 | X | |
| | EP 470 330 A1 * | 12.02.92 | Europe (abstract attached) | F02M 35/024 | | |
| | EP 0 653 956 B1 * | 24.05.95 | Europe | B01D 53/66 | | X |
| | EP 0 666 776 B1 * | 16.08.95 | Europe | B01J 35/04 | X | |
| | H4-297341 * | 21.10.92 | Japan (transl. attached) | B60P 3/00 | X | |

*submitted with previously filed related IDS



| | | |
|--|------------------------------|----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO.3912E(DIV) | SERIAL NO.09/766,732 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE:January 22, 2001 | GROUP: |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation | |
|------------------|-----------------|------------------|---------------------------|-------------|-------------|----|
| | | | | | Yes | No |
| | JP 7-4011141 * | 74.03.15 | Japan (Abstract attached) | B01D 053/34 | X | |
| | GB 2 009 392 * | 13.01.79 | United Kingdom | F24F 7/06 | X | |
| | GB 2 056 424 B* | 06.07.83 | United Kingdom | B01D 63/36 | X | |
| | WO 97/41948 * | 13.11.97 | PCT | B01D 53/86 | X | |
| | WO 98/06479 * | 19.02.98 | PCT | B01D 53/86 | X | |
| | WO 98/06480 * | 19.02.98 | PCT | B01D 53/86 | X | |

*submitted with previously filed related IDS

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

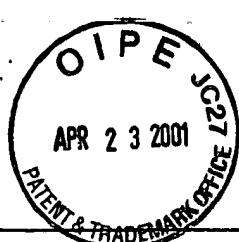
| |
|--|
| Additives for Dispersion Technology, published by Rhone Poulenc. * |
| |

*submitted with previously filed related IDS

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

INFORMATION DISCLOSURE STATEMENT PTO-1449 (Modified)



| | | |
|---|------------------------------|----------------------|
| FORM PTO-1449 U.S. DEPT. OF COMMERCE PATENT & TRADEMARK OFF. INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO.3912E(DIV) | SERIAL NO.09/766,723 |
| | APPLICANT: J. B. Hoke, et al | |
| | FILING DATE: Jan.22,2001 | GROUP: |

REFERENCE DESIGNATION
U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Filing Date if Appropriate |
|------------------|-----------------|----------|---------------------------|---------|----------------------------|
| | 3,738,088* | 01/12/73 | Colosimo, Louis E. | 55/104 | |
| | 4,134,860 * | 01/16/79 | Hindin, et al | 252/466 | |
| | 4,160,806 * | 07/10/79 | Long, et al | 422/223 | |
| | 4,214,867 * | 07/29/80 | Hunter, et al | 432/29 | |
| | 4,343,776* | 08/10/82 | Carr, et al | 423/210 | |
| | 4,405,507* | 09/20/83 | Carr, et al | 252/466 | |
| | 4,537,839* | 08/27/85 | Cameron, Donald S. | 429/20 | |
| | 4,666,677 * | 05/19/87 | Ramus, et al | 422/183 | |
| | 4,714,694 * | 12/22/87 | Wan, et al | 502/304 | |
| | 4,738,947 * | 04/19/88 | Wan, et al | 502/304 | |
| | 4,909,815* | 03/20/90 | Meyer, Richard R. | 55/316 | |
| | 5,010,051* | 04/23/91 | Rudy, Wayne M. | 502/304 | |
| | 5,057,483* | 10/15/91 | Wan, Chung-Zong | 502/304 | |
| | 5,139,992* | 08/18/92 | Tauster, et al | 502/304 | |
| | 5,145,822* | 09/08/92 | Falke, et al | 502/150 | |
| | 5,147,429* | 09/15/92 | Bartholomew, et al | 55/356 | |
| | 5,283,041* | 02/01/94 | Nguyen, et al | 423/240 | |
| | 5,308,591* | 05/03/94 | Whittenberger, William A. | 422/174 | |
| | 5,317,869* | 06/07/94 | Takeuchi, Yukihisa | 60/300 | |
| | 5,340,562* | 8/23/94 | O'Young, et al | 423/599 | |
| | 5,422,331* | 06/06/95 | Galligan, et al | 502/333 | 02/25/94 |
| | | | | | |

*submitted with previously filed related IDS
FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation | |
|------------------|-------------------|------------------|--------------------------|-------|-------------|----|
| | | | | | Yes | No |
| | J7 4011141* | 03/74 | Japan | | | ✓ |
| | WO 9109755 * | 07/91 | PCT | | | ✓ |
| | GB 2037607 * | 05/83 | United Kingdom | | | |
| | DE 43 18 738 C1 * | 07/14/94 | Germany | | | ✓ |

*submitted with previously filed related IDS



| | | |
|--|-------------------------------|-----------------------|
| <p>FORM PTO-1449 PATENT & TRADEMARK OFFICE DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> | ATTY DOCKET NO. 3912E (DIV) | SERIAL NO. 09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation | |
|------------------|-------------------|------------------|--|-------|-------------|----|
| | | | | | Yes | No |
| | 06 28338A1 * | 12/14/94 | EPO (Corresponds to above DE 43 18 738 C1) | | | ✓ |
| | WO9427709 * | 12/08/94 | PCT | | | |
| | DE 40 07 965 C2 * | 03/10/94 | Germany | | | ✓ |
| | 0 634 205 A1 * | 1/18/95 | EPO | | | ✓ |
| | 0 635 685 A1 * | 1/18/95 | EPO | | | ✓ |
| | 0 431 648 A1 * | 6/12/91 | EPO | | | |
| | H 6-13204 * | 1/21/94 | Japan | | | ✓ |
| | H 4-176316 * | 6/24/92 | Japan | | | ✓ |
| | H 4-297341 * | 10/21/92 | Japan | | | ✓ |
| | S55-106813 * | 8/16/90 | Japan | | | ✓ |
| | | | | | | |

*submitted with previously filed related IDS



| | | |
|--|-------------------------------|-----------------------|
| FORM PTO-1449 DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO. 3912E (DIV) | SERIAL NO. 09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

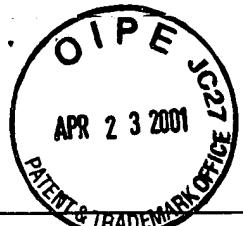
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

| | |
|--|--|
| | SAE 931088 Calculation and Design of Cooling Systems by Eichiseder & Raab of Steyr Damler Puch AG, 1993 * |
| | SAE 931089 Charge Air Cooler for Passenger Cars by thierry Collette of Valeo Thermique Moteur, 1993 * |
| | SAE 931092 State of the Art & Future Developments of Aluminum Radiators for Cars & Trucks by Josef Kern & Jochen Eitel of Behr GmbH & Co., 1993 * |
| | SAE 931112 Air Mix versus Coolant Flow to Control Discharge Air Temperature in Vehicle Heating and Air Conditioning Systems by Gary Rolling and Robert Cummings of Behr of America, Inc. and Gebhard Schweizer of Behr GmbH & Co., 1993 * |
| | SAE 931115 Engine Cooling Module Development Using Air Flow Management Technique by Refki El-Bourini & Samuel Chen of Calsonic Technical Center, 1993 * |
| | SAE 931120 A New Zeolite Energy Storage Concept for Cooling & Heating Sleeping Cabins in Trucks by Manfred Nonnenman & Noureddine Khellifa of Behr GmbH & Co., 1993 * |
| | SAE 931121 Automotive Evaporator and Condenser Modeling by Francisco Castro, Francisco Tinaut & A.A. Rahman Ali of Universidad de Valladolid, 1993 * |
| | SAE 931125 Durability Concerns of Aluminum Air to Air Charge Air Coolers by Paul Richard Smith of Valeo Engine Cooling Inc., 1993 * |
| | Taylor, The Internal Combustion Engine in Theory and Practice, Vol. I: Thermo Dynamics, Fluid Flow, Performance, Second Edition, Rev., The MIT Press, 1985 at pages 304-06 for radiator and fin design; and page 392 for after coolers * |
| | Bosch Automotive Handbook, Second Edition, Pages 301-03, 320 and 349-51 published by Robert Bosch GmbH, 1986 * |
| | Outside submission from Litman Law Offices, Ltd. in the Application of Leo K. Brown for an Environmental Air Filtration System for Vehicles * |
| | Outside submission from Attorney Conrad O. Gardner in the Application of A System for Ambient Air Pollution Processing by Motor Vehicles * |
| | O'Young, Hydrothermal Synthesis of Manganese Oxides with Tunnel Structures, Modern Analytical Techniques for Analysis of Petroleum, presented at Symposium on Advances in Zeolites and Pillared Clay Structures before the Division of Petroleum Chemistry, Inc., American Chemical Society, NYC Meeting, August 25-30, 1991 beginning at page 348 * |
| | McKenzie, The Synthesis of Birnessite, Cryptomelane, and Some Other Oxides and Hydroxides of Manganese, Mineralogical Magazine, December 1971, Vol. 38, pp 493-502. * |
| | Newspaper Article with Informal Translation - Mobile Air Purification * |
| | Newspaper Article with Informal Translation - Super-Kat in Cars ensures clean air forever * |

*submitted with previously filed related IDS

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



| | | |
|---|------------------------------|----------------------|
| <p>U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> | ATTY DOCKET NO. 3912E (DIV) | SERIAL NO.09/766,723 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE:January 22, 2001 | GROUP: |

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

*submitted with previously filed related IDS

FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document number | Publication Date | Country or Patent Office | Class | Translation Yes | Translation No |
|------------------|-----------------|------------------|--------------------------|-------|--------------------|-------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

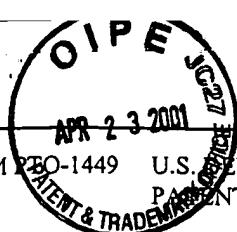
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|--|--|--|
| | | |
| | | |

| | |
|-----------------|------------------------|
| Examiner | Date Considered |
|-----------------|------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

INFORMATION DISCLOSURE STATEMENT PTO-1449 (Modified)



| | | |
|--|-------------------------------|-----------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | ATTY DOCKET NO. 3912E(DIV) | SERIAL NO. 09/766,732 |
| | APPLICANT: Hoke, et al. | |
| | FILING DATE: January 22, 2001 | GROUP: |

| REFERENCE DESIGNATION | | U.S. PATENT DOCUMENTS | | |
|-----------------------|-----------------|-----------------------|-----------------|----------|
| Examiner Initial | Document Number | Date | Name | Class |
| | 1,484,782 * | 02/26/24 | Heise | No class |
| | 1,628,344 * | 05/10/27 | Walsh | No class |
| | 1,863,015 * | 06/14/32 | Kamrath | No class |
| | 1,937,488 * | 11/28/33 | Jenness | 23/234 |
| | 1,937,489 * | 11/28/33 | Jenness | 23/234 |
| | 2,213,017 * | 08/27/40 | Perkins | 98/2 |
| | 2,455,734 * | 12/07/48 | Clausen | 183/53 |
| | 2,473,563 * | 06/21/49 | Beja et al. | 23/145 |
| | 2,551,823 * | 02/10/45 | Buttner et al. | 237/28 |
| | 2,658,742 * | 11/10/53 | Suter et al. | 263/3 |
| | 2,701,104 * | 02/01/55 | Fox | 241/3 |
| | 2,956,860 * | 10/18/60 | Welsh | 23/145 |
| | 2,966,339 * | 12/27/60 | Morgan | 257/1 |
| | 3,110,300 * | 11/12/63 | Brown et al. | 126/109 |
| | 3,147,100 * | 09/01/64 | Wilber | 55/419 |
| | 3,242,013 * | 03/22/66 | Mehne et al. | 136/138 |
| | 3,269,801 * | 08/30/66 | Boberg et al. | 23/238 |
| | 3,356,452 * | 12/05/67 | Moore | 23/145 |
| | 3,414,440 * | 12/03/68 | Moore | 136/107 |
| | 3,565,203 * | 02/23/71 | Ashton et al. | 180/68 |
| | 3,596,441 * | 08/03/71 | Luedahl | 55/376 |
| | 3,640,683 * | 02/08/72 | Miyazaki et al. | 23/145 |
| | 3,685,983 * | 08/22/72 | Louzos | 75.5R |
| | 3,770,868 * | 11/06/73 | Swinkels et al. | 423/50 |
| | 3,823,533 * | 07/16/74 | Alverson et al. | 55/493 |

*submitted with previously filed related IDS